EE/RRND/Estmt/90/12-13

BRUHAT BANGALORE MAHANAGARA PALIKE
RAJARAJESHWARI NAGARA ZONE

SL No. 14

Detailed Estimate for the work ofProviding RCC drain balance portion of 9th cross Brindavan nagara in ward no.17

Est Cost : 10,00,000/-

Sl. No.	Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings,culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (Page No. 5, Item No. 2.3)								
	Basic Rate=		125.00						
	Add A.W.8%=		10.00						
	Total=		135.00						
	9th cross		2	30.00	1.00	1.00	60.00		
			1	80.00	1.00	1.00	80.00		
	culverts		2	7.00	2.30	1.00	32.20		
		Cum				Say	172.20	135.00	23247.00
2	Lead for earthwork and disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading for earthwork (upto 5 kms) complete with all lead & lift & as per the direction of the Engineer in-charge.								
	qty same item no.1						172.20		
		Cum				Say	172.20	81.00	13948.00
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal,coarse aggregates @ 0.85 cum & fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (Page No.12, Item No.4.3)								
	Basic Rate=		3597.00						
	A.W 8%=		287.76						
	Total		3884.76						
	9th cross		2	30.00	1.00	0.15	9.00		
			1	80.00	1.00	0.15	12.00		
	culverts		2	7.00	2.30	0.15	4.83		
		Cum					25.83	3884.76	100343.35
4	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. (Page No.26, Item No.5.9)								
	Basic Rate=		2985.00						
	A.W 8%=		238.80						

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	Total		3223.80						
	culverts		4	7.00	0.60	0.75	12.60		
		cum					12.60	3223.80	40619.88
5	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (Page No.120 Item No.15.3)								
	Basic Rate=		66.30						
	A.W 8%=		5.30						
	Total		71.60						
	CD		4	7.00		0.75	21.00		
		sqm					21.00	71.60	1503.68
6	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal,coarse aggregates @ 0.878 cum & fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (Page No.12, Item No.4.6)								
	Basic Rate=		4083.00						
	A.W 8%=		326.64						
	Total		4409.64						
	copping								
	culverts		2	7.00	1.80	0.10	2.52		
		Cum					2.52	4409.64	11112.29
7	KSRB 4-2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC @ 320 kgs with 20mm and down size graded granite metal, coarse aggregates @ 0.087 cum & fine aggregate @ 0.459 cum, with super plastisiser @ 3 lts confirming to IS 9103-199 Reaffirmed-2008 machine mixed concrete laid in layers not exceeding 15 cms. thick, vibrated for all works in foundation plinth & ground floor levlls for roof slabs, stair case, lintles, retaining walls, return walls, walls (any thickness) including attached plaster, collumns, piers, abutments, pillers, posts , stuts, buttresses, strings or lacing courses, parapits, coping, bed blocks anchor blocks, plain window, cills, fillets etc., , including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6(Page No.13. Item No.4.11)								
	Basic Rate=4539.00		4851.00						
	A.W 8%=		388.08						
	Total		5239.08						
	ddeck slab		2	7.00	1.80	0.23	5.80		30387.00
		Cum				Say	5.80	5239.08	30365.71
8	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed cement concrete for beams,columns, staircase and roof with M20 RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) (Page No.19 Item No. 4.49.1)								
	Basic Rate=		5222.00						
	Add A.W.8%=		417.76						

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	Total=		5639.76						
	9th cross		2	30.00	1.80	0.15	16.20		
			1	50.00	1.80	0.15	13.50		
		cum					29.70	5639.76	167500.87
5	KSRB 4.9.2 : Providing and **TMT steel reinforcement for R.C.C** work including straighterening, cutting, bending, hooking palcing in position, lapping and /or welding wherever required, tieing with binding wire, anchoring to the adjoining members wherever necessary, as per desing (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries complete as per specifications. (Page No.19 Item No. 4.46)								
	Basic Rate=		6781.00						
	Add A.W.8%=		542.48						
	Total=		7323.48						
	Rcc drain 80kg/cum						29.700		
	culverts		5.80cumx110.00kg/cum				6.376		
		Qtl				Say	36.08	7323.48	264198.94
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No.17, Item No.4.31)								264231.00
	Basic Rate=		226.00						
	Add A.W.8%=		18.08						
	Total=		244.08						
	9th cross		8	30.00		0.60	144.00		
			4	80.00		0.60	192.00		
	culverts		2	7.00		0.60	8.40		
		Sqm				Say	344.40	244.08	84061.15
10	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 , of size 450x200x400 mm,plastering and finishing cutting etc., complete.(Page No.28,Item No. 5.29.1)								
	Basic Rate=		268.00						
	Add A.W.8%=		21.44						
	Total=		289.44						
	9th cross		2	30.00	60.00				
			1	80.00	80.00				
					140.00	0.45	311.11		
							315.00		
		nos				say	315.00	289.44	91173.60
11	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications..(Page No.129,Item No. 15.80)								
	Basic Rate=		19.00						
	Add A.W.8%=		1.52						

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	10%=		20.52						
	9th cross		2	30.00	0.45		27.00		
			1	80.00	0.45		36.00		
							63.00		
		sqm					63.00	20.52	1292.76
2	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications..(Page No.129,Item No. 15.81)								
	Basic Rate=		51.00						
	Add A.W.8%=		4.08						
	Total=		55.08						
	9th cross		2	30.00	0.45		27.00		
			1	80.00	0.45		36.00		
							63.00		
		sqm					63.00	55.08	3939.69
13	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.10cms thick.(Page No.28,Item No. 5.31.2)								3470.04
	Basic Rate=		450.00						
	Add A.W.8%=		36.00						
	Total=		486.00						
	drain covering slab								
	9th cross		2	30.00	1.00		60.00		
			1	80.00	1.00		80.00		
		sqm					140.00	486.00	68040.00
14	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13(Page No.26,Item No. 5.18)								
	Basic Rate=		605.00						
	Add A.W.8%=		48.40						
	Total=		653.40						
	drain covering slab								
	9th cross		2	30.00	1.00		60.00		
			1	80.00	1.00		80.00		
		sqm					140.00	653.40	91476.00
15	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13(Page No.27,Item No. 5.22)								
	Basic Rate=		23.51						
	Add A.W.8%=		1.88						
	Total=		25.39						
	drain covering slab								
	9th cross		4	30.00	1.00		120.00		
			2	80.00	1.00		160.00		

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	mtr					280.00	25.39	7109.42
6 Miscellaneous and other unforseen charges							482-26	67.65
						Total		1000000.00

(Rupees Ten Lakhs Only)

CERTIFICATE

1) Certified that I have inspected the spot & Prepared the Estimate according to the necessity & site conditions.
2) Certified that the work is not split up.
3) Certified that the estimate is prepared on the basis of CSR of PW,P & IWTD, Bangalore Circle, Bangalore for the year 2012-13
4) Certified that Adequate & necessary provisions have been made in the estimate.
5) Certified that the above area comes under BBMP limits..

Asst. Engineer
Ward no.17

Asst. Executive Engineer
Yeshwantpura sub-division
B.B.M.P.

Executive Engineer
RR Nagara Division
B.B.M.P.

ADMINISTRATIVE APPROVED

Rs : 10,00,000/- (Rupees ten lakhs only) is accorded

under the head :

By AC (R.R.N.) Sl.No :651

Vide Register Page No. 160 & 161 subject to conditions contained in enclosed memo

No. : AE/ES/10-11 Date : 31.12.12

AC (R.R.N.)

TA

ನಂ.: 577 ದಿನಾಂಕ: 9/01/13

ರೂ. 10,00,000 [ten lakhs only] ,

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ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜ.ಜಿ.ಎಂ.ಪಿ., ರಾಜರಾಜೇಶ್ವರಿ
ನಗರ ವಿಭಾಗ, ಬೆಂಗಳೂರು

It-2 lead and lift chart has to be approved by competative authority.

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